

What is claimed is:

1 1. A structure of a plasma display panel,
2 comprising:

3 a rear substrate;

4 a plurality of ribs formed on the rear substrate to
5 define a plurality of non-equilateral hexagonal
6 discharge spaces;

7 a front substrate opposite the rear substrate; and

8 a plurality of bus electrodes formed on the front
9 substrate, each extending substantially in the
10 first direction and containing a plurality of
11 extending electrodes protruding to
12 corresponding non-equilateral hexagonal
13 discharge spaces.

1 2. The structure as claimed in claim 1, wherein the
2 non-equilateral hexagonal discharge spaces are
3 symmetrical.

1 3. The structure as claimed in claim 1, wherein
2 each non-equilateral hexagonal space is defined by two
3 vertical sides each of a first length and beveled sides
4 each of a second length, wherein the first length is less
5 than 1/2 of the second length.

1 4. The structure as claimed in claim 3, wherein
2 the first length is less than 1/4 of the second length.

1 5. The structure as claimed in claim 1, wherein
2 the bus electrodes are arranged in a line shape and
3 parallel with each other.

1 6. The structure as claimed in claim 1, wherein
2 the bus electrodes are zigzag shaped and extend along the
3 ribs.

1 7. The structure as claimed in claim 1, further
2 comprising a plurality a connecting electrodes, each
3 connects the extending electrodes of corresponding bus
4 electrodes.

1 8. The structure as claimed in claim 1, wherein
2 the extending electrodes are near triangular.

1 9. The structure as claimed in claim 6, wherein
2 the bus electrodes and the extending electrodes form bar
3 shaped electrodes.

4 10. The structure as claimed in claim 6, wherein
5 the bus electrodes of the bar shaped electrodes do not
6 contact adjacent extending electrodes at angled points.

1 11. A structure of a plasma display panel,
2 comprising:

3 a rear substrate;

4 a plurality of ribs formed on the rear substrate to
5 define a plurality of diamond shaped discharge
6 spaces;

7 a front substrate opposite the rear substrate; and

8 a plurality of bus electrodes formed on the front
9 substrate, each extending substantially in the
10 first direction and containing a plurality of

11 extending electrodes protruding to
12 corresponding diamond shaped discharge space.

1 12. The structure as claimed in claim 11, wherein
2 the bus electrodes are a line shape and parallel with
3 each other.

1 13. The structure as claimed in claim 11, wherein
2 the bus electrodes are zigzag shaped and extend along the
3 ribs.

1 14. The structure as claimed in claim 11, further
2 comprising a plurality a connecting electrodes, each
3 connecting the extending electrodes.

1 15. The structure as claimed in claim 11, wherein
2 the extending electrodes are near triangular.

1 16. A structure of plasma display panel,
2 comprising:
3 a rear substrate;
4 a plurality of ribs formed on the rear substrate to
5 define a plurality of near cross discharge
6 spaces;
7 a front substrate opposite the rear substrate; and
8 a plurality of bus electrodes formed on the front
9 substrate, each extending substantially in the
10 first direction and containing a plurality of
11 extending electrodes protruding to
12 corresponding near cross discharge space.

1 17. The structure as claimed in claim 16, wherein
2 the bus electrodes are line shape and parallel with each

3 other or the bus electrodes are zigzag shaped extending
4 along the ribs.

1 18. The structure as claimed in claim 16, wherein
2 the near cross discharge spaces include a square as a
3 main portion and four rectangular sub portions extending
4 from each side of the main portion.

1 19. A structure of plasma display panel,
2 comprising:

3 a rear substrate;

4 a plurality of ribs formed on the rear substrate to
5 define a plurality of discharge spaces, wherein
6 each discharge space has a first axis along a
7 first direction and a second axis along a
8 second direction, the first axis is longer than
9 the second axis;

10 a front substrate opposite the rear substrate; and

11 a plurality of bus electrodes formed on the front
12 substrate, each extending substantially in the
13 second direction and containing a plurality of
14 extending electrodes protruding to
15 corresponding near cross discharge spaces.

1 20. The structure as claimed in claim 19, wherein
2 the first direction and the second direction are
3 perpendicular.